

1 6. (Once Amended) A voice coil for a disk drive comprising: a rotatable spiral winding
2 of conductive material defining a flat band with a generally triangular shape with an open center,
3 first and second active leg portions and an inactive leg portion, a first curved corner portion
4 connecting the first and second active leg portions, a second curved corner portion connecting the
5 first active leg portion with the inactive leg portion, and a third curved corner portion connecting
6 the second active leg portion with the inactive leg portion, the cross-sectional area of the band
7 varying along its length.

1 11. (Once Amended) In combination with an actuator member in a disk drive, a voice
2 coil secured to a face of the actuator member, said voice coil comprising a continuous spiral
3 winding defining a flat band with a generally triangular shape with an open center, first and
4 second active leg portions and an inactive leg portion, a first curved corner portion connecting
5 the first and second active leg portions, a second curved corner portion connecting the first active
6 leg portion with the inactive leg portion, and a third curved corner portion connecting the second
7 active leg portion with the inactive leg portion, the first and second active leg portions curving
8 inward of the band, the inactive leg portion curving outward of the band.

1 16. (Once Amended) In combination with an actuator member in a disk drive, a voice
2 coil secured to a face of the actuator member, said voice coil comprising a continuous rotatable
3 spiral winding of wire defining a flat band with a generally triangular shape with an open center,
4 first and second active leg portions and an inactive leg portion, a first curved corner portion
5 connecting the first and second active leg portions, a second curved corner portion connecting the
6 first active leg portion with the inactive leg portion, and a third curved corner portion connecting
7 the second active leg portion with the inactive leg portion, the cross-sectional area of the band
8 varying along its length.

1 31. (Once Amended) A voice coil for driving an actuator arm to various positions over a
2 disk of a disk drive, the voice coil comprising:
3 a spiral winding of conductive material defining a band with a generally triangular shape
4 having an open center, wherein the spiral winding includes:

5 a first active leg portion that curves inwardly of the band;
6 a second active leg portion that curves inwardly of the band;
7 an inactive leg portion;
8 a first curved corner portion connecting the first and second active leg portions;
9 a second curved corner portion connecting the first active leg portion and the
10 inactive leg portion; and
11 a third curved corner portion connecting the second active leg portion and the
12 inactive leg portion.

1 47. (Once Amended) A voice coil for driving an actuator arm to various positions over a
2 disk of a disk drive, the voice coil comprising:
3 a spiral winding of conductive material defining a flat band with a generally triangular
4 shape having an open center, wherein the spiral winding is adapted to interact with the magnetic
5 field of permanent magnets of the disk drive, and the spiral winding is a continuous planar
6 single-layer coil that includes:
7 a first active leg portion that curves inwardly of the band;
8 a second active leg portion that curves inwardly of the band;
9 an inactive leg portion;
10 a first curved corner portion connecting the first and second active leg portions;
11 a second curved corner portion connecting the first active leg portion and the
12 inactive leg portion; and
13 a third curved corner portion connecting the second active leg portion and the
14 inactive leg portion.

1 51. (Once Amended) A voice coil for driving an actuator arm to various positions over a
2 disk of a disk drive, the voice coil comprising:
3 a rotatable spiral winding of conductive material defining a band with a generally
4 triangular shape having an open center, wherein the spiral winding includes:
5 a first active leg portion defined by segments having a first cross-sectional area;

6 a second active leg portion defined by segments having a second cross-sectional
7 area;

8 an inactive leg portion defined by segments having a third cross-sectional area,
9 wherein the third cross-sectional area is smaller than the first cross-sectional area, and the third
10 cross-sectional area is smaller than the second cross-sectional area;

11 a first curved corner portion connecting the first and second active leg portions;

12 a second curved corner portion connecting the first active leg portion and the
13 inactive leg portion; and

14 a third curved corner portion connecting the second active leg portion and the
15 inactive leg portion.

1 67. (Once Amended) A voice coil for driving an actuator arm to various positions over a
2 disk of a disk drive, the voice coil comprising:

3 a rotatable spiral winding of conductive material defining a flat band with a generally
4 triangular shape having an open center, wherein the spiral winding is adapted to interact with the
5 magnetic field of permanent magnets of the disk drive, and the spiral winding is a continuous
6 planar single-layer coil that includes:

7 a first active leg portion defined by segments having a first cross-sectional area;

8 a second active leg portion defined by segments having a second cross-sectional
9 area;

10 an inactive leg portion defined by segments having a third cross-sectional area,
11 wherein the third cross-sectional area is smaller than the first cross-sectional area, and the third
12 cross-sectional area is smaller than the second cross-sectional area;

13 a first curved corner portion connecting the first and second active leg portions;

14 a second curved corner portion connecting the first active leg portion and the
15 inactive leg portion; and

16 a third curved corner portion connecting the second active leg portion and the
17 inactive leg portion.